L Number	Hits	Search Text	DB	Time stamp
1	33267	349\$.ccls.	USPAT;	2004/07/23
			US-PGPUB; EPO; JPO	08:54
2	323	349\$.ccls. and (smaller near6 "pixel electrode")	USPAT; US-PGPUB;	2004/07/23 08:55
3	42	349\$.ccls. and ((smaller near6 "pixel electrode") near6 (first last))	EPO; JPO USPAT; US-PGPUB;	2004/07/23 08:55
4	16	(349\$.ccls. and ((smaller near6 "pixel electrode") near6 (first last))) not	JPO USPAT; US-PGPUB;	2004/07/23 10:47
5	0	@ad>19990713 "09/615794"	JPO USPAT; US-PGPUB;	2004/07/23
_	429	(349/38).CCLS.	JPO USPAT; US-PGPUB;	2004/07/23 08:53
-	186	(349/39).CCLs.	EPO; JPO USPAT; US-PGPUB;	2003/01/02 09:19
_	709	(349/110).CCLS.	EPO; JPO USPAT; US-PGPUB;	2003/01/02 09:20
-	198	(349/111).CCLS.	EPO; JPO USPAT; US-PGPUB;	2003/01/02
-	29053	349\$.ccls.	EPO; JPO USPAT; US-PGPUB;	2003/01/02 09:21
-	1353	((349/38).CCLS.) ((349/39).CCLS.) ((349/110).CCLS.) ((349/111).CCLS.)	EPO; JPO USPAT; US-PGPUB;	2003/01/02 09:21
-	304	(((349/38).CCLS.) ((349/39).CCLS.) ((349/110).CCLS.) ((349/111).CCLS.)) and	EPO; JPO USPAT; US-PGPUB;	2003/01/02 09:42
-	41	"aperture ratio" (((349/38).CCLS.) ((349/39).CCLS.) ((349/110).CCLS.) ((349/111).CCLS.)) and	EPO; JPO USPAT; US-PGPUB;	2003/01/02 09:42
-	0	"opening ratio" ((((349/38).CCLS.) ((349/39).CCLS.) ((349/110).CCLS.) ((349/111).CCLS.)) and "opening ratio") and ("opening ratio"	EPO; JPO USPAT; US-PGPUB; EPO; JPO	2003/01/02
-	0	same "first row") ((((349/38).CCLS.) ((349/39).CCLS.) ((349/110).CCLS.) ((349/111).CCLS.)) and "opening ratio") and ("opening ratio"	USPAT; US-PGPUB; EPO; JPO	2003/01/02 09:24
-	0	same "first pixel row") ((((349/38).CCLS.) ((349/39).CCLS.) ((349/110).CCLS.) ((349/111).CCLS.)) and "aperture ratio") and ("aperture ratio"	USPAT; US-PGPUB; EPO; JPO	2003/01/02 09:43
_	0	same "first row")   ((((349/38).CCLS.) ((349/39).CCLS.)   ((349/110).CCLS.) ((349/111).CCLS.)) and   "aperture ratio") and ("aperture ratio"	USPAT; US-PGPUB; EPO; JPO	2003/01/02 09:25
-	0	same "first pixel row") ((((349/38).CCLS.) ((349/39).CCLS.) ((349/110).CCLS.) ((349/111).CCLS.)) and "opening ratio") and ("opening ratio"	USPAT; US-PGPUB; EPO; JPO	2003/01/02
-	1	same "first column") ((((349/38).CCLS.) ((349/39).CCLS.) ((349/110).CCLS.) ((349/111).CCLS.)) and "opening ratio") and ("opening ratio"	USPAT; US-PGPUB; EPO; JPO	2003/01/02 09:26
_	2	same "dummy") (((((349/38).CCLS.) ((349/39).CCLS.) ((349/110).CCLS.) ((349/111).CCLS.)) and "aperture ratio")	USPAT; US-PGPUB; EPO; JPO	2003/01/02 09:27
		same "dummy")	1	

				1
-	0	((((349/38).CCLs.) ((349/39).CCLs.)	USPAT;	2003/01/02
		((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	09:27
		"opening ratio") and ("opening ratio"	EPO; JPO	
		same "first pixel column")		/ /
-	0	((((349/38).CCLS.) ((349/39).CCLS.)	USPAT;	2003/01/02
		((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	09:33
	1	"aperture ratio") and ("aperture ratio"	EPO; JPO	
		same "first column")		
-	0	((((349/38).CCLS.) ((349/39).CCLS.)	USPAT;	2003/01/02
		((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	09:27
		"aperture ratio") and ("aperture ratio"	EPO; JPO	
	1	same "first pixel column")		
-	0	((((349/38).CCLS.) ((349/39).CCLS.)	USPAT;	2003/01/02
		((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	09:34
	j	"aperture ratio") and ("aperture" same	EPO; JPO	
		"first row")		
-	0	((((349/38).CCLS.) ((349/39).CCLS.)	USPAT;	2003/01/02
		((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	09:34
		"aperture ratio") and ("aperture" same	EPO; JPO	
		"first pixel row")		
-	0	((((349/38).CCLS.) ((349/39).CCLS.)	USPAT;	2003/01/02
		((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	09:34
		"aperture ratio") and ("aperture" same	EPO; JPO	
		"first column")		
-	0	((((349/38).CCLS.) ((349/39).CCLS.)	USPAT;	2003/01/02
		((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	09:35
		"aperture ratio") and ("aperture" same	EPO; JPO	
		"first pixel column")		
-	132	((((349/38).CCLS.) ((349/39).CCLS.)	USPAT;	2003/01/02
		((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	09:35
		"aperture ratio") and ("aperture" same	EPO; JPO	
		"first")		0000 (00 (00
-	46	((((349/38).CCLS.) ((349/39).CCLS.)	USPAT;	2003/01/02
		((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	09:35
	]	"aperture ratio") and ("aperture" near6	EPO; JPO	
		"first")		
-	1227	349\$.ccls. and "aperture ratio"	USPAT;	2003/01/02
			US-PGPUB;	09:44
			EPO; JPO	
l <b>–</b>			l	1 0000 /01 /00
	170	349\$.ccls. and "opening ratio"	USPAT;	2003/01/02
	170	349\$.ccls. and "opening ratio"	US-PGPUB;	2003/01/02 09:44
		-	US-PGPUB; EPO; JPO	09:44
_	0	(349\$.ccls. and "aperture ratio") and	US-PGPUB; EPO; JPO USPAT;	09:44
-		-	US-PGPUB; EPO; JPO USPAT; US-PGPUB;	09:44
_	0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO	09:44 2003/01/02 09:45
-		(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row") (349\$.ccls. and "aperture ratio") and	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT;	09:44 2003/01/02 09:45 2003/01/02
-	0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB;	09:44 2003/01/02 09:45
-	0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO	09:44 2003/01/02 09:45 2003/01/02 09:45
-	0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02
-	0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB;	09:44 2003/01/02 09:45 2003/01/02 09:45
-	0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46
-	0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02
-	0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46
-	0 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47
- - -	0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02
- - -	0 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47
-	0 0 0 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47
-	0 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")  (349\$.ccls. and "aperture ratio") and	US-PGPUB; EPO; JPO USPAT; US-PGPUB;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47 2003/01/02
-	0 0 0 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")	US-PGPUB; EPO; JPO USPAT; US-PGPUB;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47
-	0 0 0 11	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47
-	0 0 0 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")  (349\$.ccls. and "aperture ratio") and	US-PGPUB; EPO; JPO USPAT; US-PGPUB;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02
-	0 0 0 11	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")	US-PGPUB; EPO; JPO USPAT; US-PGPUB;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47
-	0 0 0 11 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47
-	0 0 0 11	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last pixel")	US-PGPUB; EPO; JPO USPAT;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47
-	0 0 0 11 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")	US-PGPUB; EPO; JPO USPAT; US-PGPUB;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47
-	0 0 0 11 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last column")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47
-	0 0 0 11 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last column")	US-PGPUB; EPO; JPO USPAT; US-PGPUB;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02
-	0 0 0 11 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last column")	US-PGPUB; EPO; JPO USPAT; US-PGPUB;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47
-	0 0 0 11 0 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last column")  (349\$.ccls. and "opening ratio") and ("aperture ratio" same "last column")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47
-	0 0 0 11 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "last column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "last column")	US-PGPUB; EPO; JPO USPAT;	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02
-	0 0 0 11 0 0	(349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first column")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first pixel")  (349\$.ccls. and "opening ratio") and ("opening ratio" same "first column")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "first pixel")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last row")  (349\$.ccls. and "aperture ratio") and ("aperture ratio" same "last column")  (349\$.ccls. and "opening ratio") and ("aperture ratio" same "last column")	US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO	09:44 2003/01/02 09:45 2003/01/02 09:45 2003/01/02 09:46 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47 2003/01/02 09:47

-	0	(349\$.ccls. and "opening ratio") and	USPAT;	2003/01/02
		("opening ratio" same "last pixel")	US-PGPUB;	09:48
			EPO; JPO	
_	1	(349\$.ccls. and "opening ratio") and	USPAT;	2003/01/02
		("opening ratio" same "first row")	US-PGPUB;	09:48
			EPO; JPO	
1 _	l ol	(349\$.ccls. and "aperture ratio") and	USPAT;	2003/01/02
		("aperture ratio" same "last gate")	US-PGPUB;	09:48
			EPO; JPO	l i
_	l 0	(349\$.ccls. and "aperture ratio") and	USPAT;	2003/01/02
		("aperture ratio" same "last scan")	US-PGPUB;	09:48
		,	EPO; JPO	
_	l 0	(349\$.ccls. and "aperture ratio") and	USPAT;	2003/01/02
	•	("aperture ratio" same "first scan")	US-PGPUB;	09:49
		,	EPO; JPO	
_	2	(349\$.ccls. and "opening ratio") and	USPAT;	2003/01/02
	_	("opening ratio" same "dummy")	US-PGPUB;	09:49
		( • <b>periors </b>	EPO; JPO	1
_	4	(349\$.ccls. and "aperture ratio") and	USPAT;	2003/01/02
	-	("aperture ratio" same "dummy")	US-PGPUB;	09:49
		( upoloulo luolo oumo usum, ,	EPO; JPO	
_	l o l	(349\$.ccls. and "opening ratio") and	USPAT;	2003/01/02
		("opening ratio" same "last gate")	US-PGPUB;	09:49
	]	Craining reads banks read gate /	EPO; JPO	
_	0	(349\$.ccls. and "opening ratio") and	USPAT;	2003/01/02
		("opening ratio" same "last scan")	US-PGPUB;	09:49
		opening racio same rase soun ,	EPO; JPO	
_	0	(349\$.ccls. and "opening ratio") and	USPAT;	2003/01/02
_	l "i	("opening ratio" same "first scan")	US-PGPUB;	09:50
		opening racio bame rilbe boam,	EPO; JPO	
_	l o	(349\$.ccls. and "opening ratio") and	USPAT;	2003/01/02
		("opening ratio" same "first gate")	US-PGPUB;	09:50
		Coponing rates same related gave,	EPO; JPO	
_	12	(349\$.ccls. and "aperture ratio") and	USPAT;	2003/01/02
	**	("aperture ratio" same "first gate")	US-PGPUB;	10:41
		, <b>upozouso sano</b>	EPO; JPO	
_	0	(((349/38).CCLS.) ((349/39).CCLS.)	USPAT;	2003/01/02
		((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	10:41
	1	"gate dummy"	EPO; JPO	1
_	0	(((349/38).ccls.) ((349/39).ccls.)	USPAT;	2003/01/02
		((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	10:41
	1	"scan\$4 dummy"	EPO; JPO	l i
-	1	(((349/38).CCLS.) ((349/39).CCLS.)	USPAT;	2003/01/02
	]	((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	10:42
	1	(dummy near3 scan\$4)	EPO; JPO	1
-	4	(((349/38).CCLS.) ((349/39).CCLS.)	USPAT;	2003/01/02
	1	((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	10:43
	[	(dummy near6 scan\$4)	EPO; JPO	
-	15	(((349/38).CCLS.) ((349/39).CCLS.)	USPAT;	2003/01/02
	[	((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	10:43
		(dummy near6 gate)	EPO; JPO	
-	5	(((349/38).CCLS.) ((349/39).CCLS.)	USPAT;	2003/01/02
	j i	((349/110).CCLS.) ((349/111).CCLS.)) and	US-PGPUB;	10:43
		"dummy gate"	EPO; JPO	
-	1	("5646756").PN.	USPAT;	2004/01/20
1		·	US-PGPUB;	13:18
			EPO; JPO	0004/02/20
-	1	("5877830").PN.	USPAT;	2004/01/20
			US-PGPUB;	13:22
			EPO; JPO	0004/01/00
-	1	("5513028").PN.	USPAT;	2004/01/20
			US-PGPUB;	13:38
	_	(#4055607#)   DV	EPO; JPO	2004/01/20
-	1	("4955697").PN.	USPAT;	2004/01/20
			US-PGPUB;	13:38
1			EPO; JPO	1